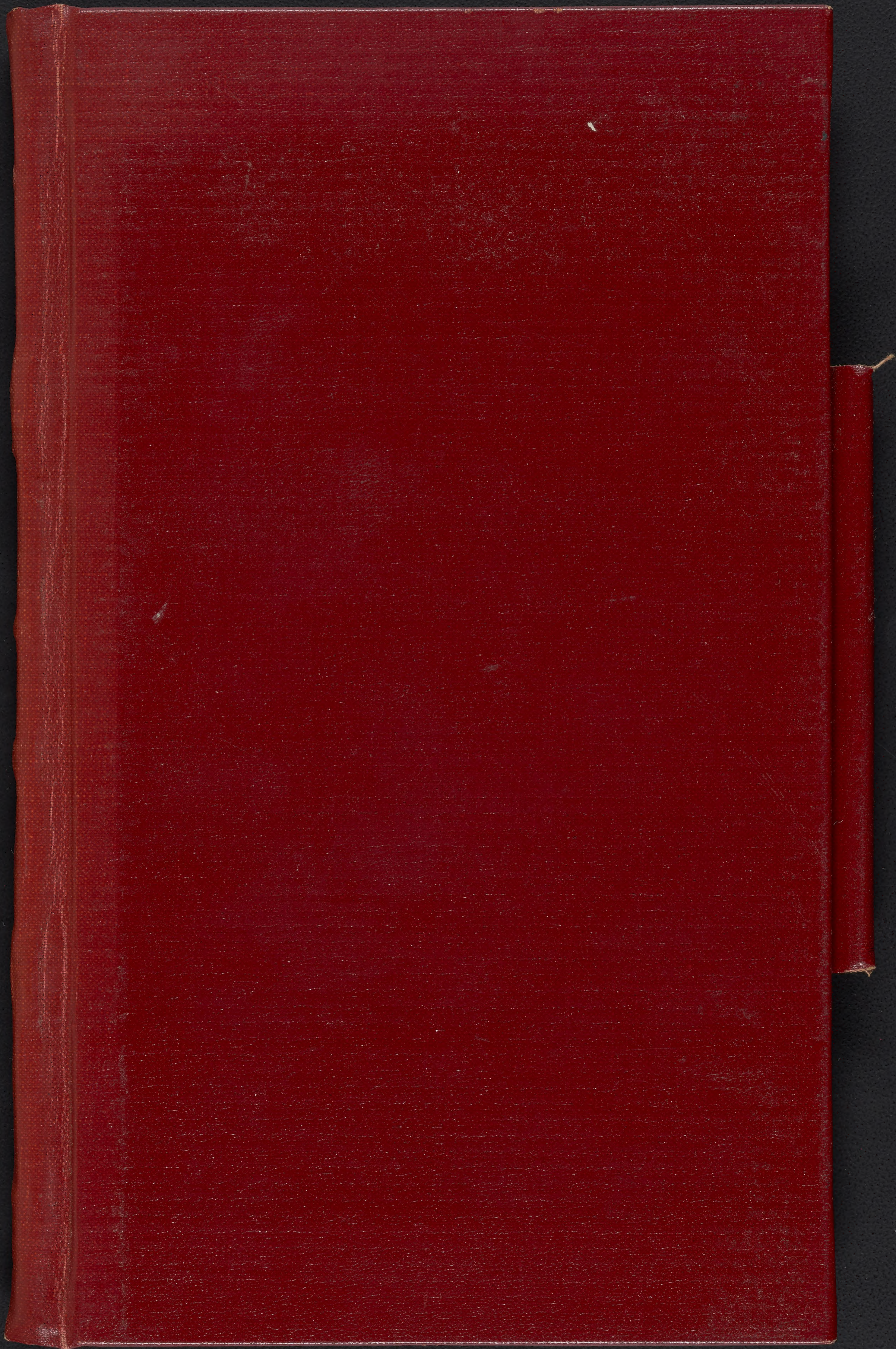




GEOLOGICAL SURVEY, CANADA

Field No.....Section Letter.....Stratum No.....

Name.....

Formation.....

Locality.....

Be Precise

.....

.....

Collector:	Date.....	Remarks.....
	Note Book.....	
	Page.....	

CANADA

Department of Mines and Technical Surveys

Geological Survey of Canada

NOTE BOOK

No. 1

SEASON OF 1962

PROVINCE Alberta and British Columbia

DISTRICT

NAME Francis M. Hueber

CHIEF OF PARTY

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CANADA
Department of Mines and Technical Surveys
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NOTE BOOK

No. _____

SEASON OR YEAR _____

PROVINCE _____

DISTRICT _____

NAME _____

CHIEF OF PARTY _____

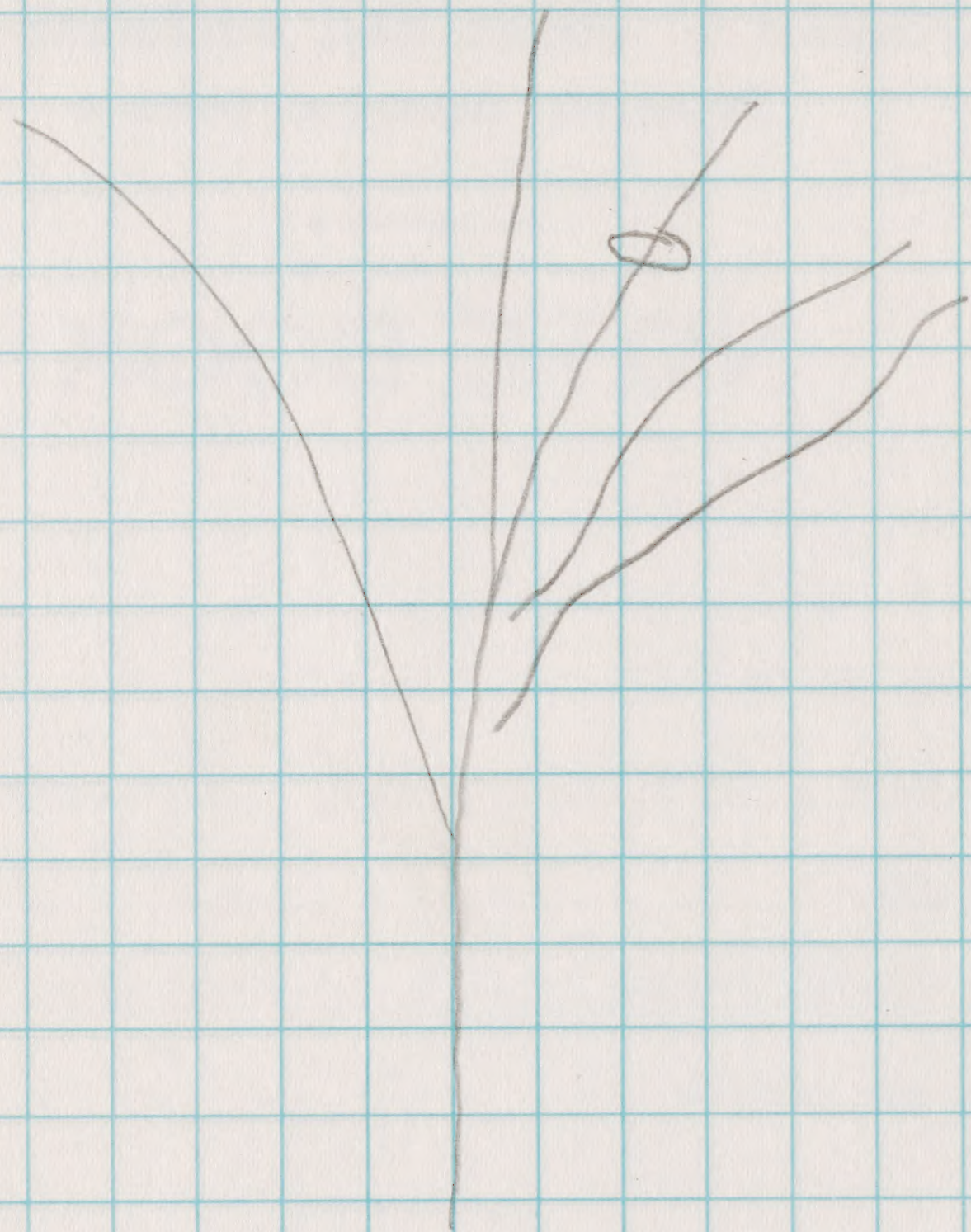
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THE DIRECTOR,
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OTTAWA, Ontario.

1914



23 24 25 26 27 28 29 30
M T W Th F S S M

July 24, 1962

(GSC 5620)

1

Climbed to plant locality. Found that there are two smaller stream gullies on the right of main stream; these third gully - first major one to enter main creek bed - is one that has the outcrop. Rock weathers light tan - is darker to almost grey on fresh surfaces. Best plants occur above a very "coaly" layer. Coaly layer made up of large axes 1 - 2 1/2 inches broad. All axes broken portions of larger ones - apparently floated into site of deposition. Plant remains fragmentary.

Large amount of overburden quarried away - rain stopped work.

July 25, 1962

1 Collection HR-62-1 made.

Fertile axes of Swalbardia type plus axes petrified - woody. All petrifications but one are limonitic; the one being pyrite or marcasite. "Platyphyllum" leaves.

Rain stopped work.

July 26, 1962

Continued collecting at same

2
site where we quarried. Obtained
a different plant in which the
sporangia are upright - resembles
miniature Trimerophyton. Not
abundant. More fertile axes
and leafy ones, too, of
Savalbardia. "Platyphyllum"
fair.

Rained

Continued at same locale.
Helen Belyea and Potter
Chamney joined us just about
12:30. Plant bed 25 ft above
base of formation. Nothing
new obtained. Several
petrifications found.

July 27, 1962

Scouted up north branch
of river - Ghost River Fm. goes
higher. Apparently the plant beds
where collections were made
are in a gentle synclinal
area. Up the valley the Fm.
appears ———. Got

stuck in Ford and worked
remainder of daylight trying
to get car free. No success.

July 28, 1962 ✓

Car freed from ford through
aid given by campers. Broke
camp and left for Calgary.
Arrived Calgary at 5:15 or so.

July 29, 1962
Calgary

July 30

Car repaired

Left Calgary - Revelstoke overnight

July 31

Williams Lake overnight

August 1

Smithers

August 2, 1962 ✓

Plant beds downstream from
the Moricetown fish ladders
and falls. Small collection -
of Metasequoia, Cercidiphyllum +
pinnately veined leaves (fragmentary)
Collection # HR-62-2

Locality 250 yds downstream from
falls + fish ladders. Moricetown,
B.C. Tertiary.

HR-62-3

Approx. 150 yds further downstream
from HR-62-2. Beds of partially

4

silicified, limonitic and pyritic shales. Plants are petrified; some quite well others poorly. Cones of Metasequoia - leaves and occasional buds seen in the silicified matrix. Great quantities of this silicified material are available along the section downstream. Excellent material for anatomical proof of existence of certain leaf genera (possibly) Small sampling taken.

August 3, 1962 ~~B~~ HR-62-4

Driftwood Creek. 150 yds (approx.) west of the second bridge crossing Driftwood Creek on Driftwood Creek Rd. near Smithers, B.C. Insect + plant locality.

Numerous Metasequoia seeds + seeds of other conifers. Cf. Cercidiphyllum and very few other angiosperms. Pinus needles (5 per fascicle) and perhaps Thuja or Chamaecyparis. Cone (excellent) terminal on shoot - Metasequoia? probably Sequoia.

August 4, 1962

Additional Collections at Driftwood. Good angiosperm leaves, insects and seeds of conifers.

Excellent pine fascicles - 5 needle 5 variety.

Aug 5, 1962

No work. Hazelton - organized for trips to locales.

August 6, 1962 HR-62-5 - HR-62-6

(East side of river.) Skeena River. Collected at beds ⁷⁵150 yds downstream from bridge crossing Skeena on Road from Hazelton to Kispior B.C. Plant beds in fine shale interbedded with sandstone. All have been metamorphosed and small intrusions penetrate the beds. Plants for most part are replaced with limonite or lime - where carbon is present - it is checked badly and at times obliterates finer details of venation in the leaves. Podozamites, Milsonia, Czekanowskia, and ? Ptilophyllum, ferns = Cladophraxis and ? Coniopteris.

HR-62-6

Road cut on old road leading to the bridge abutments of old bridge (now gone) over the Skeena River on road to Kispior

from Hazelton. Road (old one) 6
is on left as bridge (new) across
Skeena is approached from
Hazelton. Plants in hard
shale - metamorphosed. Plants:
Ginkgo, Czekanowskia
Podozamites, Cladophraxis etc.

August 7, 1962

Continued collecting at old road
locality HR-62-6.

August 8, 1962

Found an excellent bed of
plant material (labelled HR-62-5)
Locale is circa 75 yds downstream
from Skeena bridge on road
leading to Kispiox from Hazelton.
Plants well preserved - though
slightly metamorphosed. Ferns
abundant and relatively complete
fronds available (Many collected)
Ginkgo, Podozamites, Czekanowskia
fertile structures of ? Caytoniales,
and a fern? with large Neuropterid
form. Several specimens of
isolated pinnae collected in
addition to 3-4 specimens
in organic connection.

August 10, 1962
HR-62-7

7

Road cut on Highway 16, 14.5 miles west of turn off for old Hazelton, on southeast side of Skeena river, B.C. Beds are alternating shales and sandstones with some very coaly bands. Strata are sharply upturned. Plants mainly ferns (*Cladophlebis*) and conifers. Ammonite and belemnites & and pelecypods found in nodular zone ^{15-20 ft} stratigraphically above the plant zone. Coaly bands are at times badly contorted, however, the plant beds show good preservation of leaves — spore sample taken.

August 11, 1962. HR-62-8

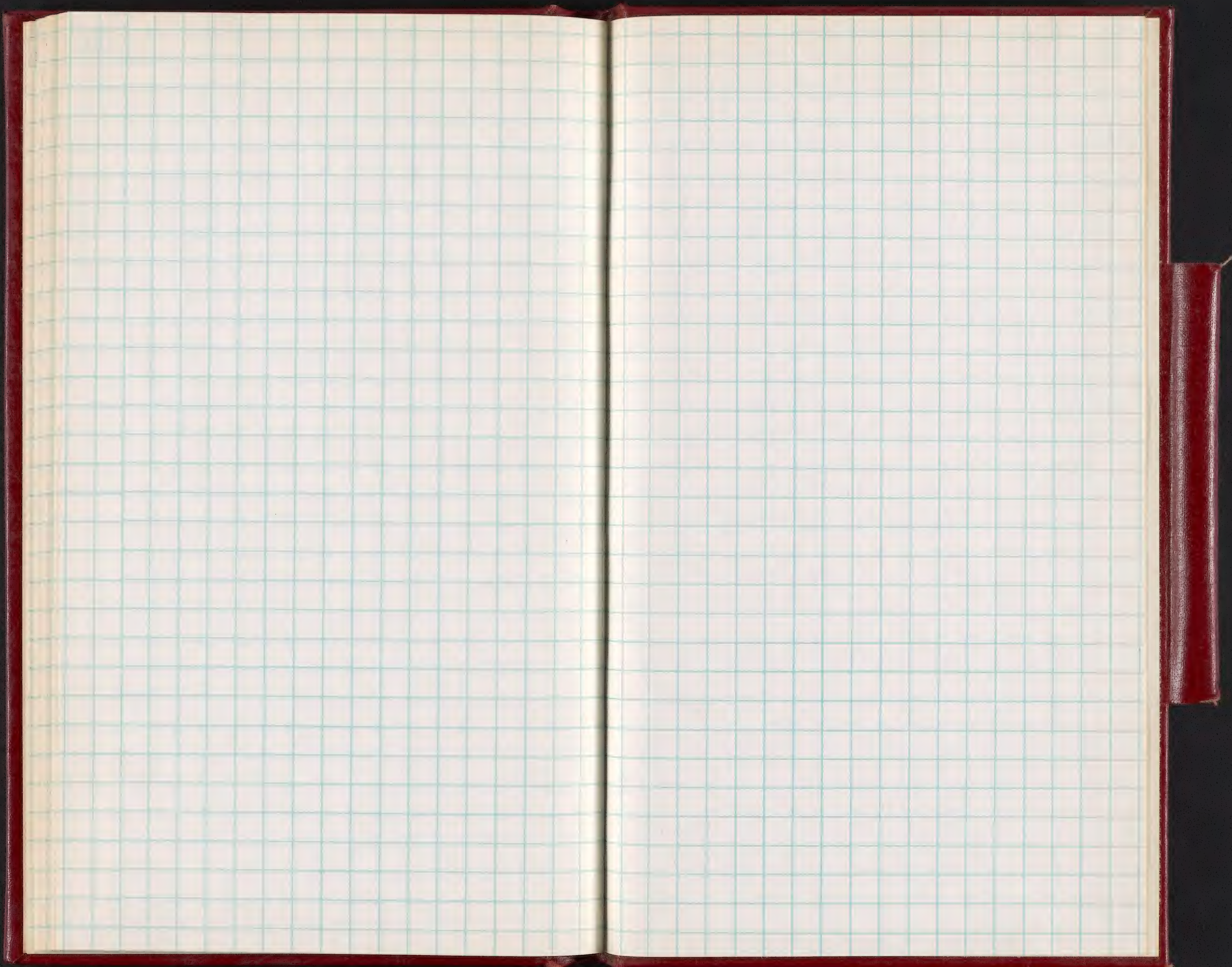
Road cut and creek bottom on north limb of T junction of road leading from Hazelton; north limb leading to village of Kitwano. 0.7 mile from junction of roads. Beds faulted — many sheer zones. Plants in mudstone — ferns; and only 1 form ^{of fern} found. No other plants found. Coaly zones sampled for spores.

August 16, 1962 HR-62-9

Williams Lake. Road cut 3.7 mi west of bridge in Williams Lake on

road leading to Hanceville, Alexis 8
Creek etc.

Highly silicified shales with
occasional plant remains. Mostly
Metasequoia few arctiosperms.
Portion of fish found. Bentonite
bed present. Diatomite present
also. Plants not abundant.





GEOLOGICAL SURVEY, CANADA

Field No. HR-62-8 Section Letter..... Stratum No.....Name..... Plants

Formation.....

Locality..... Road cut and creek bed 0.7 mile from
junction of road from Hazelton and that
Be Precise

Collector:

Date.....

Remarks.....

Note Book.....

Page.....

GEOLOGICAL SURVEY, CANADA

Field No. HR-62-8 Section Letter.....Stratum No.....

Name.....Plants.....

Formation.....

Locality 7mi from.....roadcut and stream bed.....
Be Precise

Collector:	Date.....	Remarks.....
	Note Book.....	
	Page.....	

